KARABAN, Stepan Ignat'yevich (Minsk Pedagogical Inst im. Gor'kiy) for Doc of Philological Sci on the basis of dissertation defended 27 Jun 55 in Council of Belorussian State University im. Lenin, entitled: "Philosophy and Basic Problems of the Works of Yanko Kupala."

(BMViSSO USSR, 2-61, 22)

145

KARABAN, T.

"Avation House in Moscow, p. 832, (SKRZYDLATA POLSKA, Vol. 10, No. 52, Dec. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC. Vol. 4, No. 5, May 1955, Uncl.

KARAFAN, T.

To the attention of Polish representatives. p. 10

SKRZYDIATA POLSKA. (Ligo Lotnicza) Warszawa, Poland. Vol. 11, no. 28, July 1955,

Monthly List of East European accession (EFAI), LC. Vol. 8, No. 9, September, 1959, Uncl.

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SOURCE CODE: UR/0124/66/000/006/A015/11-3
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ACC NR: AR6030394 (N) SOURCE CODE. SOURCE CODE. AUTHOR: AR6030394 AUTHOR: Shteynvol'f, L. I.; Karaban, V. N. AUTHOR: Shteynvol'f, L. I.; Karaban, V. N. TITLE: The application of a pendulum antivibrator with viscous friction in multimass TITLE: The application of a pendulum antivibrator with viscous friction in multimass TITLE: The application of a pendulum antivibrator with viscous friction in multimass TITLE: The application of a pendulum antivibrator with viscous friction in multimass TITLE: The application of a pendulum antivibrator with viscous friction in multimass TITLE: The application of a pendulum antivibrator with viscous friction in multimass TITLE: The application of a pendulum antivibrator with viscous friction in multimass TOTAL THE AUTHOR: Shtephylolication of a pendulum antivibrator with viscous friction in multimass TITLE: The application of a pendulum antivibrator with viscous friction in multimass TOTAL THE AUTHOR SHOWN AND AU
AUTHOR: ShteyIve TITLE: The application of a pendulum and rotating systems rotating systems SOURCE: Ref. zh. Mekhanika, Abs. 6Al02 REF SOURCE: Dinamika i prochnost' mashin. Resp. mezhved. nauchno-tekhn. sb., vyp. 1, REF SOURCE: Dinamika i prochnost' mashin. Resp. mezhved. nauchno-tekhn. sb., vyp. 1, Resp. mezhved. nauchno-
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ROZUM, Yu.S.; SEREBRYANYY, S.B.; KARABAN, Ye.F.; CHERNETSKIY, V.P.; DRONKINA, M.I.

Influence of the polar substituents on the reduction potentials of mono- and disubstituted derivatives of phenazine and its N-oxides. Zhur. ob. khim. 34 no.8:2599-2603 Ag '64. (MIRA 17:9)

1. Institut organicheskoy khimii AN UkrSSR.

GUSEV, Leonid Mikhaylovich, kand.tekhn.nauk; KARABAN, Yu.L., red.; AVRUSHCHENKO, R.A., red.izd-va; VOLKOV, S.V., tekhn.red.

[Ice control on roads] Bor'ba so skol'zkost'iu obledenevshikh dorog. Izd.2., perer. i dop. Moskva, Izd-vo M-va kommun. khoz.RSFSR, 1959. 120 p. (MIRA 12:12) (Ice) (Roads-Maintenance and repair)

KARABAHOV, A.I.; KOSTRYUKOV, K.S.

Compressorless unit for heating bitumen and bituminous mastics.

Suggested by A.I. Karabanov, K.S. Kostriukov. Rats.i izobr.predl.
v stroi. no.13:120-122 '59. (MIRA 13:6)

1. Stalingradskoye stroitel'no-montashnoye upravleniye.
(Bitumen)

GERASIMOV, I.V.; KARABANOV, D.N.

Purifying sewage from petroleum refineries by electric flotation. Izv. vys. ucheb. zav.; neft' i gaz 4 no.11:59-63 '61. (MIRA 17:2)

1. Ufimskiy neftyanoy institut.

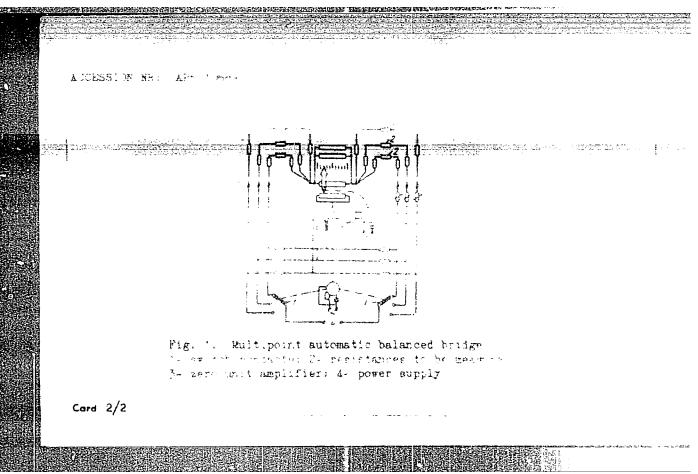
ADDRESSION NEW APSOLOAGO

ADTRONO. No. 18 v. N. Ourminator, E. a.

TITIF: Multipoint automatic balanced in dre. Class it, No. 18 d.

TOPIC TACS: bridge circuit

ABSTRACT: This Author Certificate presents a multipoint automatic laborate in the second seco



KOL'TSOV, A.A.; RARABANOV, D.N.

Automatic symmetric balanced bridge. Izv. vys. ucheb. zav.; prib. 8 no.3:29-32 '65. (MIRA 18:11)

1. Ufimskiy neftyanoy institut. Rekomendovana kafedroy avtomatizatsii proizvodstvennykh protsessov.

REPORTED BY THE PROPERTY OF TH

KOL'TSOV, A.A.; KARABANOV, D.N.

Designing measuring circuits of automatic balanced electronic bridges. Izv.vys.ucheb.zav.; prib. 7 no.2:39-45 164.

(MIRA 18:4)

1. Ufimskiy neftyanoy institut. Rekomendovana kafedroy avtomatizatsii proizvodstvennykh protsessov.

MARABANOV, F.F.,

BOGOMOLOV, B.D., kend.tekhn.nauk; MEL'NIKOV, S.F., inzh.; KARABANOV, F.F.,

inzh.

Woodpulp and paper industry of Archangel Province. Bum.prom.

32 no.11:23-27 N '57.

(Archangel Province--Paper industry)

(Archangel Province--Woodpulp industry)

Specific gravity parameters of a crawler tractor. Trakt. i sel'khozmash. 33 no.9:10-11 S '63. (MIRA 16:10)

1. Chelyabinskiy traktornyy zavod. (Crawler tractors)

Ways of increasing the longitudinal base of a tractor and the metal requirements. Stroi. 1 dor. mash. 9 no.3:20-21 Mr '64. (MIRA 17:6)

Selecting the type of suspension for a crawler tractor. Trakt. i sel*khozmash. no.6:9-12 Je*64 (MIRA 17:7)

1. Chelyabinskiy traktornyy zavod.

Remarks on the article by I.S. Kav'iarov and B.M. Pozin. Trakt. i sel'khozmash. 33 no.3:19-20 Mr '63. (MIRA 16:11)

Working system of the GhTZ tractor. Trakt.i sel'khomash. 32 no.9:9-11 S '62. (MIRA 15:12)

1. Chelyabinskiy traktornyy zavod.
(Grawler tractors)

APPLICATION OF THE PROPERTY OF THE STATE OF THE PROPERTY OF TH

IMAS, A.D., inzh.; KARABANOV, M.G., inzh.

Geometric shapes of cutters for rotary boring and kinematics of their motion. Ugol' Ukr. no.6:21-23 Je '61.

(MIRA 14:7)

(Rock drills)

ZASLAVNOV, D.I., gornyy inzh.; KARABANOV, M.G., gornyy inzh.; ZHIGUL'SKIY, I.P., gornyy inzh.; GRIGOR'YAN, Kh.M.

Results of testing the BK-2 cutter-loader. Ugol' 38 no.8:41-45 Ag '63. (MIRA 17:11)

1. Shakhtinskiy nauchno-issledovatel'skiy i proyektno-konstruktorskiy ugol'nyy institut (for Zaslavnov, Karabanov, Zhigul'skiy).
2. Gosudarstvennyy proyektno-konstruktorskiy i eksperimental'nyy institut ugol'nogo mashinostroyeniya (for Grigor'yan).

ZASLAVNOV, D.I., inzh.; KARABANOV, M.G., inzh.; ZHIGUL'SKIY, I.P., inzh.

Dust control of the working area of a longwall during the operation of the KTST cutter-loader. Besop.truda v prom. 7 no.2:24-25 F 163.

(MIRA 16:2)

USTINOV, V.T., inzh.; KARABANOV, N.G.

Valve with a two-side action. Masl.-zhir.prom. 28 no.8:36 Ag '62.
(MIRA 17:2)

1. Krasnodarskiy maslozhirovoy kombinat imeni V.V.Kuybysheva.

NIKITIN, V.G.; KARABANOV, M.I.

Two-position four-station turntable for 7B720 broaching machine.

Mashinostroitel' no.5:27-28 My '60. (MIRA 14:5)

(Broaching machines)

KARABANOV, M.I.; NIKITIN, V.G.

Device for cutting faces and removing edges. Mashinostroitel[†] no.1:29 Ja ¹63. (Gutting machines)

KARABANOV N.I.

89-3-8/30 AUTHORS: Sokolov, M. M., Ochkur, A. P., Fedorov, A. A.

Karabanov, N. I.

The Photo-Electric Absorption of Scattered γ -Rays (Foto-elektricheskoye pogloshcheniye rasseyannogo γ -izlucheniya) TITLE:

PERIODICAL: Atomnaya Energiya, 1958, Vol. 4, Nr 3, pp. 284 - 285 (USSR)

ABSTRACT: The measurement of the 7-spectrum was carried out by means

of a scintillation spectrometer to which a multichannel pulse analyzer was connected. As γ -radiator T1-204, Hg-203, Cr-51, Cs-137 and Zn-65 were used, and the distance between the detector and the radiator was varied between 5 and 15 cm. For the case Cr-51, D = 10 cm, and with sand as scattering material, which once contained 0,5 %, then 2 %, 5 % of lead and 10 % of copper the measured scattering spectrum is graphi-

cally represented.

At about 100 KeV a minimum can be observed in the 3 -spectrum which coincides with theoretical calculations. Within the range of about 150 KeV a more marked decrease is to be seen

Card 1/2 which corresponds to the single scattering of γ -quanta

89-3-8/30

The Photo-Electric Absorption of Scattered > -Rays

with minimum energy. In theoretical calculation this energy

turns out to be 145 KeV.

The admixtures of lead considerably change the spectrum, net only decreasing the number of pulses but causing a depression which is to be seen within the range of 100 KeV, being dependent on the greatly increased photo-electric absorption coefficient for the \(\gamma\) -radiation, the energy of which approaches that of the K-binding energy of lead (88,2 KeV). Analogous pictures are given by all radiators investigated. There is 1 figure.

SUBMITTED:

July 22, 1957

AVAILABLE:

Library of Congress

1. Scattered 7-Rays-Photoelectric absorption 2. 7-Spectrum-Measurement 3. Scintillation spectrometers-Applications

Card 2/2

· KARABANOV, N.L.

AUTHORS:

Sokolov, H. H., Karabanov, H. I.

48-1-18/20

TITLE:

The Field & Radiometer SG-42 (Polevoy Radiometr -SG-42)

PERIODICAL:

Izvestiya AN SSSR Seriya Fizicheskaya, 1958, Vol. 22,

Nr 1, pp. 88 - 89 (USSR)

ABSTRACT:

The authors worked out a portable apparatus with a scintillation counter for measuring f-rays with an energy of from 50 keV and more. The apparatus is produced by the industry under the name "Field-f-Radiometer CF-42". A NaJ-Tl-crystal with d=30 and l=25 mm, as well as a photomultiplier \$74-19 M are used in the apparatus. Optical contact between the crystal and the photomultiplier is brought about by means of an organosilicon liquid. The device has 3 scales: 1) o \frac{2}{3} 50\mu hour, \frac{1}{3} \) 0 \frac{2}{3} 150\mu hour^{-1},

3) 0 \frac{2}{3} 700 - 800\mu hour^{-1}. The first two are linear, the third is nonlinear. The sensitivity-threshold of the device at a natural background of 6 \frac{2}{3} 7\mu hour^{-1} amounts to 2\mu hour^{-1}. The sensitivity of the device for the radium-source amounts to about 180 \frac{2}{3} 200 pulses / min^{-1} per 1\mu hour-1. The time constants of the device for the 3 scales are 4,2 sec, 2,2 sec and 1,2 sec respectively. The relative error can be determined according to the fluctuation of the device-indications or according to the formula

Card 1/2

The Field & Radiometer SG-42.

48-1-18/20

given here. The device weighs 5 kg. The stability of indication is sufficiently high in the temperature range of -10 - +40°. The device is mainly determined for geological prospecting. When the NaJ-Tl-crystal is replaced by suitable phorphors the device can be used for the recording of rapid and slow neutrons. There are 1 table and 1 figure.

AVAILABLE:

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1. Crystals 2. Neutron counters

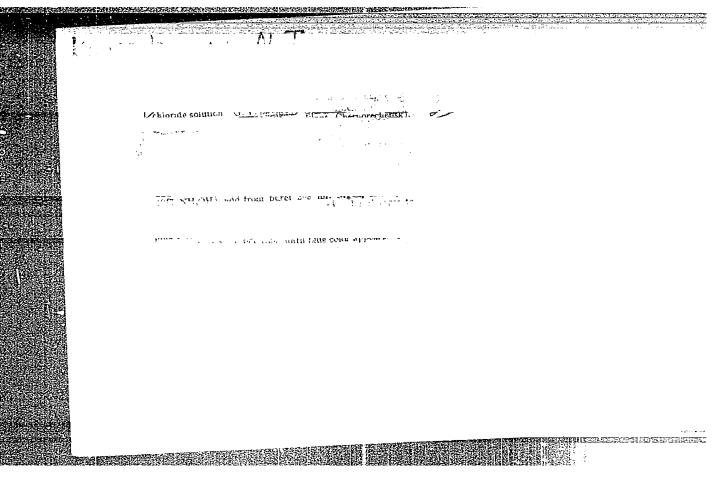
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KARABANOV, N.S.

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Working with contour maps. Geog. w shkole 20 no.1:50-53 Ja-F '57. (NIRA 10:3)

1. Kondrovskaya shkola Kalushskoy oblasti. (Geography—Study and teaching) (Maps)



KARABANOV, N.T.; ZCRIN, A.D.

Equilibrium between liquid and vapor in binary and ternary systems formed by bivinyl with isomers of n-butane and butylene. Trudy po khim.i khim.tekh. no.1:3-14 164.

(MIRA 18:12)

1. Submitted July 9, 1963.

AND STREET STREET, THE STREET STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET,

VLADOV, D.; KARABANOV, St.; DIMITROV, D.; DIAKOVICH, V, Dinkov, Sh.

Air pressure in the evacuated sampling flasks for nitric oxides, and its influence on the quantity of mitric oxides in the catalytic oxidation of ammonia. Godishnik khim 55 no.3:129-134 160/61 (publ. 162).

KLIMOV, S.; KARABANOV, S.

是一个人,不是一个人的人,这个人的人,他们也不是一个人的人,我们也不是一个人,他们也不是一个人,不是一个人,不是一个人,不是一个人,不是一个人,不是一个人,不是

Modernization and effective use of grain dryers. Muk.-elev. prom. 29 no.2:5-7 F '63. (MIRA 16:8)

1. Tekhnicheskoye upravleniye Vserossiyskogo ob*yedineniya khleboproduktov (for Klimov). 2. Institut nauchno-tekhnicheskoy informatsii i tekhniko-ekonomicheskikh issledovaniy Gosudarstvennogo komiteta zagotovok (for Karabanov). (Grain-Drying)

KARABAHOV, S.

Advantages of the truck dumper with hydraulic drive. Muk.-elev.prom. 21 no.5:12-14 My '55. (MIRA B:9)

1. Ministerstvo sagotovok SSSR. (Dumping appliances)

FINASHIN, I.S., inzhener: KARABANOV, S.A., inzhener.

Device for pack-loading grain into railroad care. Zhel. dor. transp. 38 no.8:75 Ag. 156. (MLRA 9:10)

(Loading and unloading) (Grain--Transportation)

KANABANOV, S., inch.

Self-propelled automatic feeder for grain. Muk. elev. prom. 23 no.12: 11-12 D '57. (MIRA 11:2)

1. Tekhnicheskiy otdel Ministerstva khleboproduktov SSSR.

(Grain handling machinery) (Loading and unloading)

KARARANOV, S., insh.; PROLOV, N., insh.

Device for the even loading of grain into railroad cars. Muk.-elev. prom. 24 no.1:5-8 Ja '58. (MIRA 11:2)

1. Tekhnicheskiy otdel Ministerstva khleboproduktov SSSR.

(Grain—Transportation)

(Loading and unloading)

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KARABANOV, S., inzh.

Radial self-feeder for grain. Muk.-elev.prom.24 no.2:7-10 F '58.

1. Tekhnicheskiy otdel Ministerstva khleborpoduktov SSSR.

(Conveying machinery)

DIL', A.; CHARUSINA, N.; BORODIN, A.; SOLODOVNIK, P.; SKLYAR, I.;
SOLOWENTSEV, K.; TOPYLIN, N.; SKOHOVAROV, N.; KARABANOV, S.;
BOGDANOV, N.; STRYUKÔV, P.

Nikolai Vasil'evich Romenskii (on the occasion of the 40th anniversary of his scientific, pedagogic, and public activity).

Muk.-elev. prom. 24 no.12:29-30 D '58. (MIRA 12:1)

(Romenskii, Nikelai Vasil'evich, 1894-)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720520011-3"

KLIMOV, Stepan Yegorovich; KARABANOV, Sergey Aleksandrovich; DZHOROGYAN, G.A., kand. tekhn. nauk, red.; VYSOTSKAYA, R.S., red.; GOLUBKOVA, L.A., tekhn. red.

[Grain driers with furnaces operating on liquid and gas fuels] Zernosushilki s topkami, rabotaiushchimi na zhidkom i gazoobraznom toplive. Pod red. G.A.Dzhorogiana. Moskva, Izd-vo tekhn. i ekon. lit-ry po voprosam zagotovok, 1961. 77 p. (MIRA 14:12) (Grain—Drying)

KARABANOV, S., inzh.

Receiving and processing grain in a continuous operation at the Adyrsk Grain Receiving Station. Muk.-elev. prom. 27 no.1:8-9 Ja '61. (MIRA 14:1)

1.-TSentral'noye byuro tekhnicheskoy informatsii Goskhlebkomiteta.

(Akmolinsk Province—Grain elevators)

PYSHKIN, Viktor Petrovich, inzh.; KARABANOV, Sergey Aleksandrovich, inzh.; PONOMAREV, Vladimir Aleksandrovich, inzh.; FRODOV, K.P., inzh., red.; VOLKOV, P.N., red.; SAVEL'YEVA, Z.A., tekhn. red.

种可能和原理的 1996年,1996年,1996年,1996年,1996年,1996年,1996年,1996年,1996年,1996年,1996年,1996年,1996年,1996年,1996年,1996年,1996年,

[Manual for the mechanic of a grain receiving station]
Spravochnik mekhanika khlebopriemnogo punkta. Pod red. K.P.
Frolova. Moskva, Zagotizdat, 1963. 243 p. (MIRA 16:9)
(Grain handling machinery)

KARABANOV, V.A., kand.tekhn.nauk, red.; FRIDMAN, V.Ya., red.; KLIMENKO, S.V.,

[Frequency methods in automatic control; a collection of articles. Translations] Chastotnye metody v avtomatike; sbornik statei. Hoskva, Izd-vo inostr.lit-ry, 1957. 490 p. (MIRA 11:7) (Automatic control)

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720520011-3

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IKRNER, Aleksandr Yakovlevich; KARABANOV, V.A., kand.tekhn.nauk, retsenzent; ROZENMAN, Ye.A., kand.tekhn.nauk, red.; POLYAKOV, G.F., red.izd-va; SOKOLOVA, T.F., tekhn.red.

[Introduction to the theory of automatic control] Vvedenie v teoriiu avtomaticheskogo regulirovaniia. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1958. 351 p. (MIRA 11:4) (Automatic control)

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KARABANOV, V.A.

28(1)

P.4

PHASE I BOOK EXPLOITATION

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Moscow. Vyssheye tekhnicheskoye uchilishche. Kafedry "Avtomatika i telemekhanika"

- Sistemy avtomaticheskogo regulirovaniya i upravleniya; nekotoryye voprosy teorii i tekhniki (Automatic Regulating and Control Systems; Some Problems in Theory and Technology) Moscow, Mashgiz, 1959. 166 p. (Series: Its Trudy, sbornik no. 97) 7,600 copies printed.
- Ed.: V.K. Titov, Candidate of Technical Sciences; Tech. Ed.: Z.I. Chernova; Managing Ed. for Literature on Machine Building and Instrument Making (Mashgiz): N.V. Pokrovskiy, Engineer.
- PURPOSE: The book is intended for teachers in schools of higher education, and for engineers and technicians engaged in problems of automation.
- COVERACE: This collection contains articles on the theory and technique of automatic regulation and control. The problems discussed concern calculation of optimum parameters of low-power servomechanisms, correction of a-c systems and systems of automatic regulation with a delay unit, and the construction of self-adjusting a-c systems. Several methods of improving the dynamic properties of servomechanisms, and methods of approximate investigation of pulse servo-

Card 1/2

Automatic Regulating and Control (Cont.)

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mechanisms, are also explained. Some considerations regarding possible ways of automating butt welding in a random direction are presented. The authors of this collection are all instructors in the department of "Automation and Remote Control" at MVTU imeni Bauman. The articles are based on scientific research work conducted by the department during the last five years. Some personalities are mentioned in each article. References are given after

TABLE OF CONTENTS:

Ulanov, G.M., Doctor of Technical Sciences. Development of the Invariancy Principle and of the Theory of Combined Systems of Regulation and Control According to the author, the theory of invariancy constitutes the basis of the theory of combined automatic systems which depend on two principles:

5

1) regulation and control as a function of deviation; 2) regulation and control as a function of load. Mathematical problems of invariancy were developed in the Soviet Union by N.N. Luzin and P.I. Kuznetsov in 1945-1946. In 1948 Academician V.S. Kulebakin established conditions of invariancy with an accuracy up to the free component. Professors A.G. Ivakhrenko,

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Automatic Regulating and Control (Cont.)

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A.J. Kukhtenko and other Ukrainian scientists contributed much to the advancement of the theory and methods of developing combined systems of automatic regulation and control. A tendency to unite the problems of combined systems and of self-adjusting systems appears in the works of V.V. Solodovnikov and A.M. Batkov (1956). The author summarizes the basic ideas of the Soviet scientists on the above problems.

Bibliography

14

Shramko, L.S., Candidate of Technical Sciences. Problem of Self-adjusting Systems

15

The author investigates some a-c systems which develop an error signal of the type U_c(t) coswot. This signal, amplified and converted accordingly, is used for the control of certain actuating units (frequently, two-phase induction motors). There are two ways of converting this error signal:

1) with demodulation preceding the conversion of the a-c signal; 2) without intermediate demodulation

The author considers systems of the second type the more advantageous because of the absence of additional demodulating and modulating devices.

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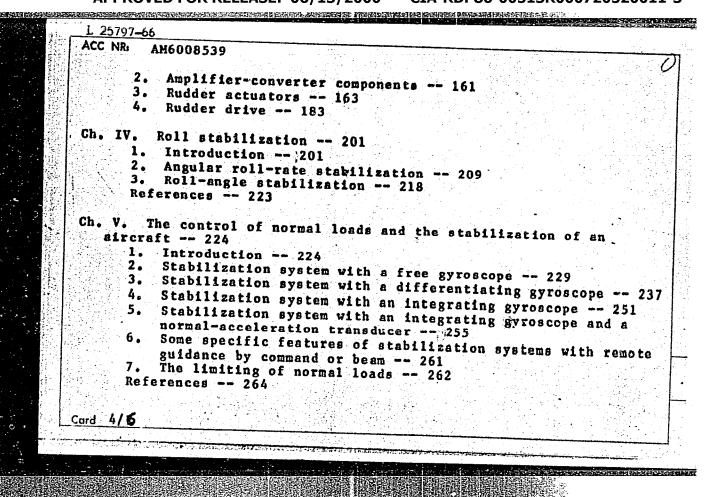
L 25797-66 EEC(k)-2/EWT(d)/FBD/EWP(1)/FSS-2 IJP(c) BC ACC NR: AM6008539 UR Monograph Lebedev, Aleksandr Aleksandrovich; Karabanov, Vladimir Aleksandrovich the substitution of the second of the second Dynamics of control systems of pilotless aircraft (Dinamika sistem upravleniya bespilotnymi letatel'nymi apparatami) Moscow, Izd-vo "Mashinostroyeniye," 1965. 528 p. illus., biblio. Errata slip inserted. 6000 copies printed. Textbook for students at aviation schools and faculties. TOPIC TAGS: flight control system, stabilization system, aircraft flight dynamics, missile guidance system, homing guidance, pilotless aircraft, guidance system, aircraft motion, stabilization system component, gyroscope, ballistic missile, missile dynamics, missile velocity control, guidance error, remote guidance system PURPOSE AND COVERAGE: This book is the second part of the textbook "Flight Dynamics of Pilotless Aircraft," written by A. A. Lebedev and L. S. Chernobrovkin; it is intended for students in advanced courses in institutions of higher technical education and may be used by scientific workers and engineers in related fields. Flight dynamics as related to control processes is reviewed. Necessary information on the dynamics of components found in a flight-control system is given, and principles for the synthesis of stabilization and guidance systems are presented. Methods for calculating these UDG: 623.746-519:62-50.001:11(07) Card 1/6

L 25797-66 ACC NR: AM6008539 systems are examined, and stabilization and guidance processes are investigated with particular respect to the analysis of guidance accuracy. The authors express appreciation to reviewers L. T. Kuzin, I. Ye. Mitrofanov, E. F. Fatkhullin, and engineer L. I. Kir'yanov for their assistance in preparing the manuscript for print. TABLE OF CONTENTS (abridged): Foreword -- 3 Basic notations -- 5 Introduction -- 9 Ch. I. General information on flight-control systems and methods for investigating them -- 11 1. Basic principles in the control of an aircraft -- 11 Classification of guidance systems -- 26 2. Target destruction probability and guidance accuracy -- 34 3. Some information on the planning of flight-control systems -- 39 A brief review of methods for the theoretical investigation Card 2/6

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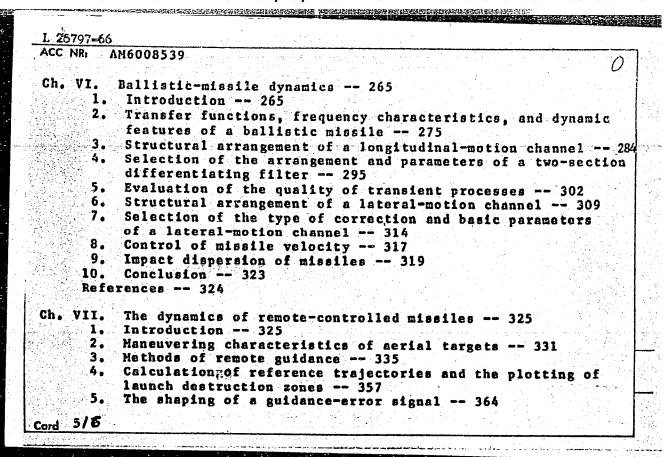
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L 25797-66 ACC NR: AM6008539 Ŋ Basic components of remote-guidance systems, their transfer functions and dynamic characteristics -- 366 The kinematic element, equations and transfer functions -- 372 Analysis of the dynamic characteristics and accuracy of a command system of remote guidance -- 379 Analysis of the dynamic characteristics and accuracy of a beam-rider guidance system -- 401 References -- 409 Ch. VIII. The dynamics of homing missiles -- 410 1. Introduction. Target-homing coordinators -- 410 Homing-guidance methods -- 414 3. Methods for shaping a guidance-error signal -- 438 The dynamic characteristics of target-homing coordinators oriented to the target sight line -- 448 Shaping a guidance signal -- 462 6. The kinematic element, equations and transfer functions -- 464 7. Miss-distance of a homing missile -- 468 8. General characteristic of a homing-guidance system -- 473 9. Methods for investigating homing-guidance dynamics -- 485 References -- 513 Appendices - 514. SUB CODE: 09. 16, 17/ SUBM DATE: 070et65/ ORIG REF: 146/ Card 6/6 CC

RENNE, Vladimir Tikhonovich, doktor tekhn.nauk, prof.; BERKU, Adrian [Bercu, A.], insh.; KARARANOV, Valentin Togifovich, insh., kand.-tekhn.nauk, nauchnyy sotrudnik; KOZYREVA, Mariya Semenovna, kand.-tekhn.nauk, nauchnaya sotrudnitsa

Study of a saturation liquid for power condensers. Izv. vys. ucheb. zav.; elektromekh. 5 no.12:1424-1428 '62. (MIRA 16:6)

1. Zaveduyushchiy kafedroy elektroizolyatsionnoy i kabel'noy tekhniki Leningradskogo politekhnicheskogo instituta (for Renne).
2. Bukharestskiy institut elektrotekhnicheskikh issledovaniy (for Berku).
3. Leningradskiy politekhnicheskiy institut (for Karabanov, Kozyreva).

(Condensers (Electricity)) (Electrolyte solutions)

RENNE, V.T., doktor tekhn.nauk prof.; KARABANOV, V.I., inzh.; KOZYREVA, M.S., inzh

Investigation of the aging of paper condensers saturated with castor oil. Izv.vys.ucheb.zav.; energ. 2 no.8:46-51 Ag 59. (MIRA 13:2)

1. Leningradskiy politekhnicheskiy institut imeni M.I.Kalinina. Predstavlena kafedroy elektroisolyatsionny i kabel'noy tekhniki. (Electric capacitors)

KARABANOV, V. I. Cand Tech Sci — (diss) "Investigation of impregating compositions for paper radiocondensers," Leningrad, 1960, 18 pp, 150 cop. (Leningrad Polytechnical Institute im M. I. Kalinin) (KL, 44-60, 130)

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720520011-3

ACC NR: AR6023372

SOURCE CODE: UR/0274/66/000/003/A080/A080

AUTHOR: Kolesov, S. N.; Karabanov, V. M.

TITLE: Increasing the sensitivity and accuracy of the resonant dielectric loss measurement method

SOURCE: Ref. zh. Radiotekhnika i elektrosvyaz', Abs. 3A582

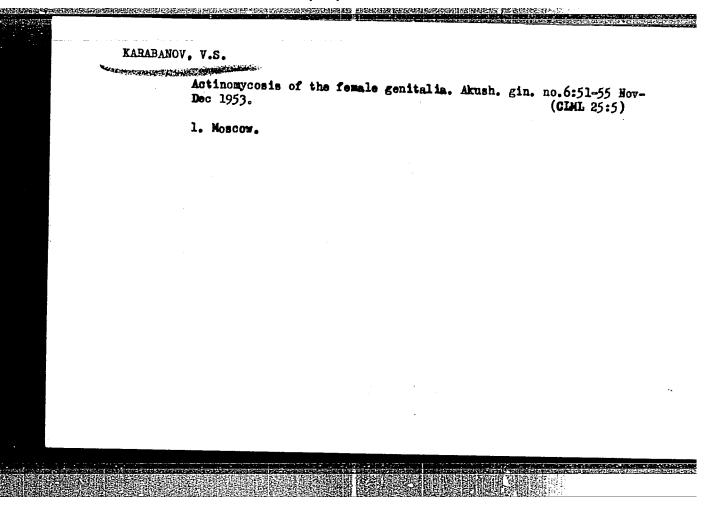
REF SOURCE: Sb. Vopr. teorii i nadezhnosti apparatury i kanalov svyazi. Tashkent, Nauka, 1965, 155-162

TOPIC TAGS: electric measurement, dielectric loss, circuit design

ABSTRACT: A method for calibrating and improving the dielectric loss measurement circuit is proposed. The sensitivity in measuring tan δ by this resonant method may be increased up to 1×10^{-5} with an error which does not exceed *5%. The method accounts for the frequency losses at the hf range of the measurement circuit's characteristic when it is calibrated by means of non-reactive impedances. In this method, a series of measurements are made using the NV-1 and UK-12 equipment. A low-resistance π attenuator designed for a 10 db attenuation is introduced in front of the coupling resistance. The vacuum tube voltmeter circuit is replaced by a diode peak detector capable of dc amplification. A particular balancing sequence and calibration procedure is recommended. [Translation of abstract] Bibliography of 7 titles. A. K.

SUB CODE: 09

UDC: 621.317.799.029.6



KARABANOV, V.S.

Treatment of anemia in pregnancy [with summary in English].
Akush. i gin. 34 no.4:31-36 J1-Ag '58 (MIRA 11:9)

1. Iz Nauchno-issledovatel skogo instituta akusherstva i gineko-logii (dir. - dots. L.G. Stepanov) Ministerstva zdravookhraneniya RSFSR.

(PREGNANCY, compleanemia, ther. (Rus))
(ANEMIA, in pregnather. (Rus))

SOLODOVNIKOV, V.V., doktor tekhn.nauk, prof.; KARABANOV, V.V., kand.tekhn.nauk, dotsent

"Structural methods in the theory of control and electronic automatic control" by A.S.Shatalov. Reviewed by V.V.Solodovnikov. Elektrichestvo no.9:94-96 S '63. (MIRA 16:10)

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VERBA, M.I., kand.tekhn.nauk, dotsent; KARABANOV, Yu.F., inzh.

Inductive telemetering scales. Izv. vys. uchet. zav.; energ. 4 no.10:123-124 0 '61. (MIRA 14:11)

1. Moskovskiy ordena Lenina energeticheskiy institut. Predstavlena kafedroy sushil'nykh i teploobmennykh ustroystv.

(Telemetering) (Scales (Weighting instruments))

KARABANOV, Yu.F., kand. tekhn. nauk; KONOVALOV, V.I., kand. tekhn. nauk; KULAKOVA, M.I., kand. tekhn. nauk; SEMEIN, V.M., kand. tekhn. nauk

Review of the book "Collection of problems in engineering thermodynamics". Edited by [prof.] M.P. Vukalovich. Reviewed by IU. F. Karabanov, V.I. Konovalov, M.I. Kulakova, V.M. Semein. Izv. vys. ucheb. zav.; energ 7 no.9:114-115 S '64.

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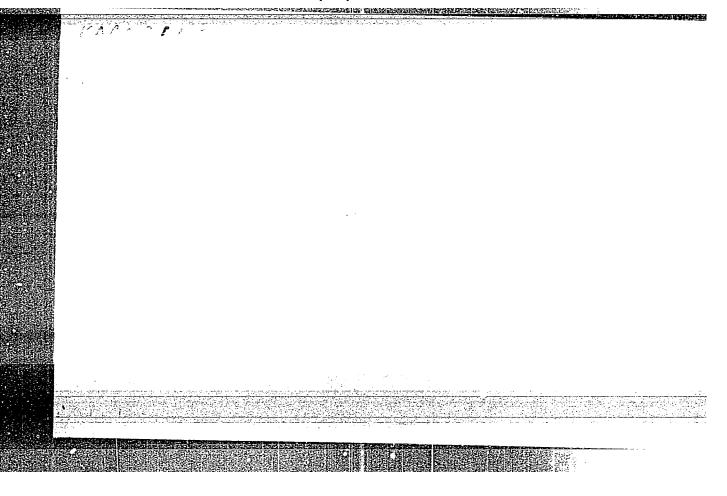
1. Ivanovskiy energeticheskiy institut imeni V.I. Lenina.

NALIVAYKO, Yu.S.; KARABANOV, Yu.V.

Agree of and an example of

Effect of types of potassium fertilizers on hops drops. Dop. AN URSR no.3:303-306 '55. (MIRA 8:11)

1. Zhitomirs'ka naukovo-doslidcha stantsiya khmelyarstva. Predstaviv diysniy chlen Akademii nau, URSR P.A.Vlasyuk (Hops) (Fertilizers and manures)



KUZIN, Lev Timofeyevich; PEROV, V.P., doktor tekhn. nauk, retsenzent; KARABANOV, V.A., kand. tekhn. nauk, red.; UVAROVA, A.F., tekhn. red.

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Multituol machining of slids surfaces of machine-tool beds.
Mashinostroneis no.4:46-47 JN-Ag '65. (MTRA 18:8)

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000720520011-3

SLONOV, M.N., zooparazitolog; Prinimali uchastiye: BELIKOVA, N.P., parazitolog po iksodovym kleshcham; TATARINOVA, L.G., virusolog; KARABANOVA, E.M., laborant; SOTNIKOVA, T.I., laborant

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1. Iz Vladivostokskogo nauchno-issledovatel'skogo instituta epidemiologii, mikrobiologii i gigiyeny.

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Desparative evaluation of blood preserved in plant some and sodium citrate. Probl. genut. i peral. krovi 3 no.10: 40-47 0 164. (SER. 18:3)

1. Otdel konservirovaniya krovi Kipevskego nauchno-issledc-valeliskogo instituta perelivaniya krovi (nauchnyy rukovo-diteli - prof. A.O. Karavanov, div. - doisent S.S. lavrik).

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[Brief handbook on materials used in the machinery industry]
Kratkii spravochnik po mashinostroitel'nym materialam. Pod
obshchey red, V.M.Raskatova. Moskva, Moskgis, 1963. 440 p.
(MIRA 16:7)

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Awards for standardization work. Standartizatsiia 26 no.8:58-59 Ag '62. (MIRA 15:8)

KARABANOVA, L.V.

Diurnal variation of the components of the heat balance of the evaporation basin and Lake Sevan. Trudy GGO no.95:77-79 163.

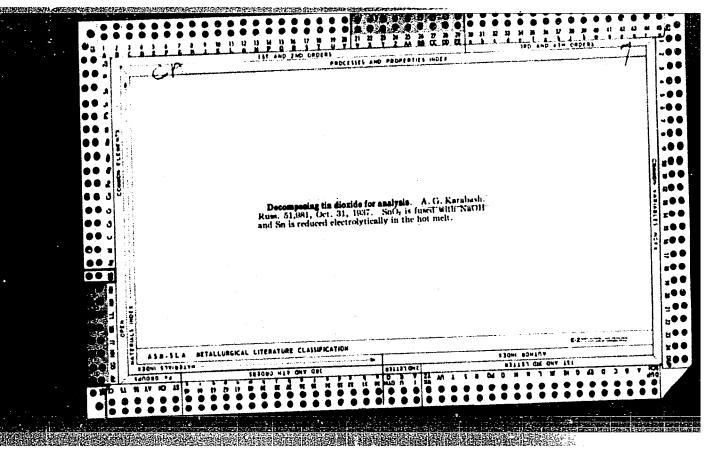
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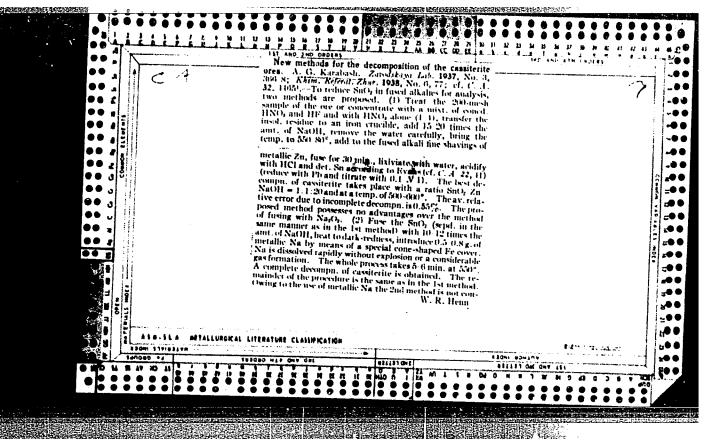
(Sevan, Lake-Water-Thermal properties)

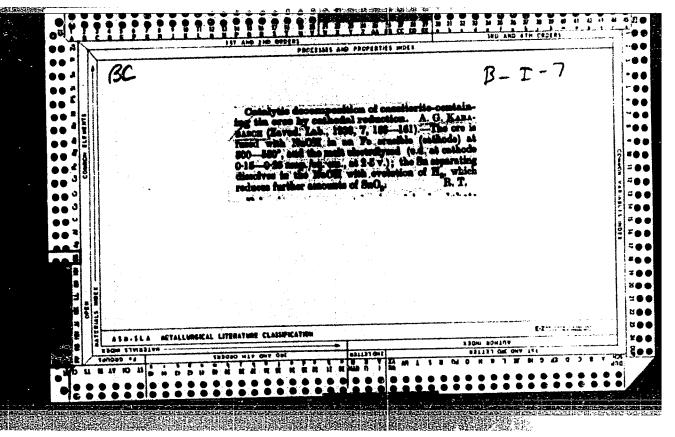
KARABANOVA, V.P.

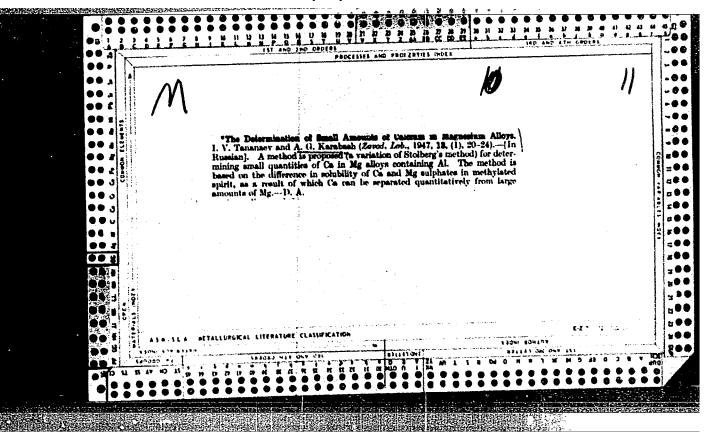
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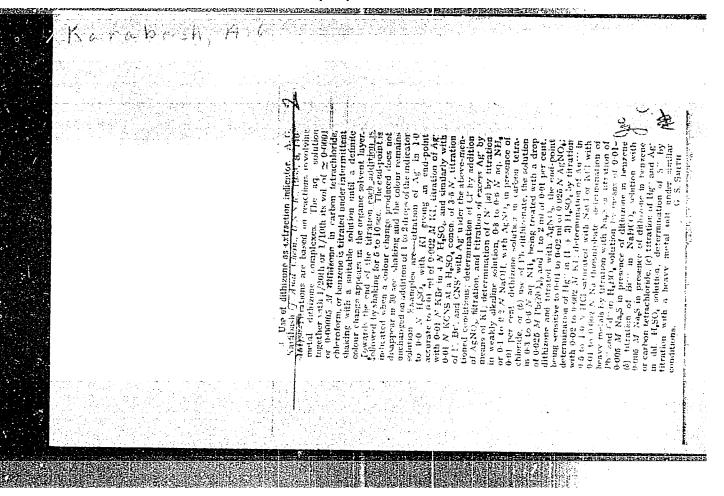
1. Irkutskiy zavod tyazhelogo mashinostroyeniya imeni V.V.Kuybysheva. (Iron ores--Spectra)

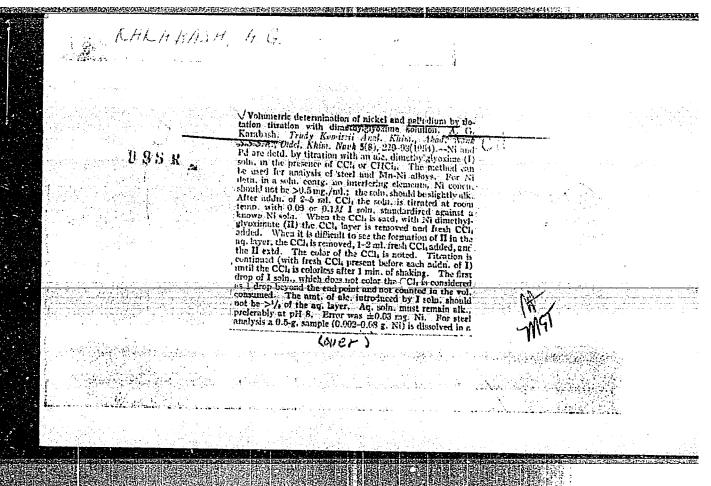


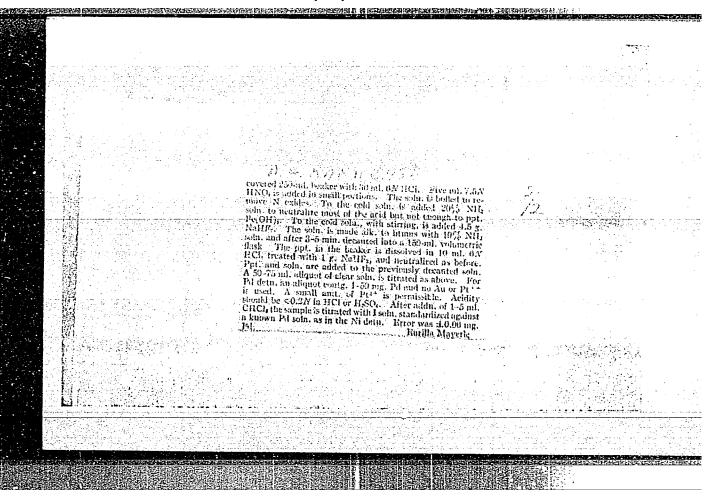












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KARAHASH, A.G.: PEYZULAYEV, Sh.I.; SLYUSARHVA, R.L.; SOTNIKOVA, H.P.;

SITHHOVA-AVERINA, N.I.; SAMSONOVA, Z.N.; KRAUZ, L.S.; MOROZOVA, G.G.;

ROMANOVICH, L.S.; SMIRENKINA, I.I.; LIPATOVA, V.M.; SAZANOVA, S.K.;

PUGACHEVA, L.I.; USACHEVA, V.P.; VORONOVA, Ye.F.; GORRACHEV, P.D.;

KOSTAREVA, F.A.; KOSTEREVA, H.T.; YELOVATSKAYA, A.I.; KUZNETSOVA, N.N.

Spectrochemical analysis of pure metals for impurities. Fiz.

sbor. no.4:556-562 '58. (MIRA 12:5)

(Spectrochemistry)

。 1975年 - 1985年 - 198

AUTHOR:	78-3-4-27/38 Karabash, A. G.
TITLE:	Some Chemical Properties of Thorium and Uranium (O nekotorykh khimicheskikh svoystvakh toriya i urana)
PERIODICAL:	Zhurnal Neorganicheskoy Khimii, 1958, Vol. 3, Nr 4, pp. 986-395 (USSR)
ABSTRACT:	In the treatment of the metals thorium and uranium with hydrochloric acid the insoluble radical represents chemical compounds which are complicated hydrides. The determination of the chemical composition of these hydrides is as follows:
	for uranium hydride: OH OH
Card 1/3	for thorium hydride: OH OH OH

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78-3-4-27/38

Some Chemical Properties of Thorium and Uranium

The complicated process of the interaction between thorium and hydrochloric acid takes place according to the following equation: 2 Th + 4 HCl + 2 H₂0 = ThCl₄ + ThH (OH)H + 6H₀. The interaction between uranium and hydrochloric acid, however, takes place as follows: 2 U + 4 HCl + 2 H₂0 = UCl₄+UH (OH)₂+5H₀.

On the action of oxidizing agents as hydrogen peroxide, atmospheric oxygen, concentrated nitric acid or aqua regia the hydride of thorium passes over to a light-yellow substance which corresponds to the composition of a peroxyhydride of the following formula:

$$\begin{array}{c|c}
H^{\circ} & \text{Th} \longrightarrow 0 \longrightarrow 0 \longrightarrow \text{Th} & 0
\end{array}$$

This compound contains, independently of the conditions of its production, still the chlorine ion or NO₃ ion. Exposed to air it crystallizes with crystal water. The chemical and physical properties of the complicated hydride-hydroxyhydrides were determined. The hydrides of thorium and uranium have similar properties as the simple hydrides. These

Card 2/3

A REPORT OF THE PROPERTY OF TH

78-3-4-27/38

Some Chemical Properties of Thorium and Uranium

complicated hydrides and oxyhydrides belong to the general class of oxy- and hydroxy-halide compounds of metals.

There are 4 tables and 15 references, 2 of which are Soviet.

SUBMITTED: September 30, 1957

Card 3/3 -

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AUTHORS:

Peyzulayev, Sh.I., Karabesh, A.G., Krauz, L.S., 32-24-6-19/44

Kostareva, F.A., Smirnova-Averina, N.I.,

Babina, F.L., Kondrato yeva, L.I., Voronova, Ye.F.,

Meshkova, V.M.

TITLE:

Spectral Methods for the Determination of Admixture Traces

(Spektral'nyye metody opredeleniya sledov primesey),

I. Chemical Spectral Methods of Analyzing Strontium, Chromium, and Silicon (I. Khimiko-spektral'nyye metody analiza strontsiva, khroma i kremniya), II. The Quantitative Spectral Analysis of Water and Microsamples on the Basis of Strontium Nitrate (II. Kolichestvennyy spektral nyy analiz vody i mikroobraztsov

na osnove nitrata skrontsiya)

PERIODICAL:

Zavodskaya Laboratoriya, 1958, Vol 24, Nr 6, pp 723-731 (USSR)

ABSTRACT:

In the course of the present work analysis methods are investigated in which sensitivity is increased by previous enrichment and which make it possible to determine a larger number of admixtures. From the analysis of strontium, which is described in detail, it follows that determination is based upon a formation of strontium sulfate and that 18 elements can be determined by means of one

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Spectral Methods for the Determination of Admixture Traces.
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of Water and Microsamples on the Basis of Strontium Nitrate

32-24-6-19/44

spectrogram, in which case sodium is determined separately. Analysis sensitivity is shown by a table, and the preparation of samples and the spectral analysis itself are described. From the data concerning the determination of chromium it follows e.g., that chromium is volatilized in form of OrO2Cl2, that practically complete (99.7%) volatilization is attained at 200-220°, and that at the same time only arsenic, boron, germanium, tin, and mercury are removed. In the case of a low content of admixtures analysis. was carried out already after the first concentration, whereas in the case of a higher percentage ($10^{-3} - 10^{-2}\%$) also the second concentrate was examined. The analysis is described. The analysis of silicon is based upon its volatilization in form of fluorides; also in this case the concentrate of the admirtures is produced on the basis of a spectrally pure strontium sulfate, and also in this case 18 elements can be determined simultaneously by means of one spectrogram, sodium being determined separately. The process of analysis is described, and it is said, among other things, that the method was worked out in 1955 for the

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Spectral Methods for the Determination of Admixture Traces.

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determination of elementary silicon. II. The method is based upon application of the sample solution on to spectrally pure strontium nitrate powder, drying, and spectral analysis; it is possible, on the one hand, to examine the organic impurities existing in water, and, on the other, to analyze the composition of various microsamples. In the analysis of water it is possible to determine 12 elements by means of one spectrogram, including the ordinary admixtures found in water as well as corrosion products. The process of analysis is described as well as the manner in which etalons and the spectrally pure strontium nitrate are prepared. By the method described it is possible to determine 26 elements by the analysis of microsamples. Analysis is described, and it is said, among other things, that the relative sensitivity in determining components and admixtures depends on the weighed in portion of the microsample and the strontium nitrate; corresponding data are given by a table. By comparative determinations carried out on a strontium nitrate-

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Spectral Methods for the Determination of Admixture Traces. I. Chemical Spectral Methods of Analyzing Strontium, Chromium, and Silicon. II. The Quantitative Spectral Analysis of Water and Kicrosamples on the Basis of Strontium Nitrate

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and beryllium oxide basis the fact was established that both varieties of the method work with a relative error of ± 15-20%, and that frequently a weighed portion of 0.1-50 mg is sufficient. There are 2 figures, 6 tables, and 14 references, 6 of which are Soviet.

Spectrum analyzers--Performance
 Minerals--Analysis
 Minerals--Determination
 Water--Impurities
 Water--Spectra
 Strontium nitrate spectrum--Applications

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5(2), 5(4)SOV/75-14-1-19/32 Karabash, A. G., Peyzulayev, Sh. I., AUTHORS: Slyusareva, R. L., Lipatova, V. M. A Chemico-Spectrographic Method for the Analysis of Metallic TITLE: Beryllium and Beryllium Oxide of High Purity (Khimikospektral'nyy metod analiza metallicheskogo berilliya i okisi berilliya vysokoy chistoty) Zhurnal analiticheskoy khimii, 1959, Vol 14, Nr 1, pp 94-99 PERIODICAL: (USSR) The spectrochemical method described in the present paper ABSTRACT: permits the simultaneous determination of the following 24 impurities in metallic beryllium and beryllium oxide: Mg, Ca, Ba, Al, Ti, V, Cr, Mo, Mn, Fe, Co, Ni, Cu, Ag, Zn, Cd, 3e, Pb, Sb, Bi, Ga, In, T1, Te. The determination of Na was carried out separately in a glass spectrograph. For the enrichment of admixtures beryllium was extracted in form of its basic acetate Be40(CH3COO)6 with chloroform. This basic beryllium compound is satisfactorily resistant against the action of

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many organic reagents (water, hydrochloric acid) and easily soluble in organic solvents. Solubility in chloroform amounts

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A Chemico-Spectrographic Method for the Analysis SOV/75-14-1-19/32 of Metallic Beryllium and Beryllium Oxide of High Purity

to 50g in 100 ml CHCl_3 , whereas the acetates of the admixtures to be determined are practically insoluble in chloroform. The chloroform extract is three times washed with hydrochloric acid, and the admixtures, together with a small quantity of Be (v1/20 of the initial quantity) pass quantitatively into the solution of hydrochloric acid. In this way the admixtures are enriched 20 - 25-fold. By this enrichment the sensitivity of admixture determination is increased from 10^{-3} - 10^{-4} % (without enrichment) to 10^{-4} - 10^{-5} %. The lines used for the spectral-analytical determination of the 24 admixtures and of sodium are shown in a table. The main quantity in the concentrate is Be₂0₃. By means of a special process, which is described in detail in this paper, the authors conveyed the beryllium oxide into a glass-like modification (hexagonal crystal lattice of the Wurtzite type), which differs from normal Be₂0₃ by its much smaller crystals. This modification permits an increase of the weighed in portion and thus also an increase of the sensitivity of determination. The corresponding investigations of X-ray structure were carried out

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A Chemico-Spectrographic Method for the Analysis SOV/75-14-1-19/32 of Metallic Beryllium and Beryllium Oxide of High Purity

by Ye. S. Makarov. The exactness and reproducibility of the elaborated method was tested on the basis of 25 artificial mixtures, and also by comparison with results obtained by chemical methods of determination. The relative error of determination (arithmetic mean) amounts to ± 20%, only at the sensitivity limit of the method the error attains values of 50 - 100%. Errors occur particularly in connection with the determination of cadmium. The method may be used for the analytical control of beryllium of a high degree of purity. Also a method for the spectroanalytical determination of samples without enrichment of admixtures was worked out which may serve for the control of technical products (accuracy $10^{-3} - 10^{-4}\%$). Carrying out of both kinds of determination is very accurately described in the paper. There are 2 figures, 2 tables, and 18 references, 3 of which are Soviet.

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October 28, 1957

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AUTHORS:

Konovalov, E. Ye., Matyukhin, V. V.,

SOV/32-25-10-48/63

Yemel'yanov, V. P., Karabash, A. G.

TITLE:

A Conductometric Signaler for Oxygen in Gases

PERIODICAL:

Zavodskaya laboratoriya, 1959, Vol 25, Nr 10, pp 1260-1262

(USSR)

ABSTRACT:

A device was constructed (E. Ye. Konovalov, Ye. A. Kochetkova, V. M. Morozov, V. D. Kolesnikov, V. M. Andreyev, A. G. Karabash - Patent No 1113837), which is intended to be used for the continuous control of the oxygen content in noble gases. It makes it possible to determine the moment at which the oxygen absorber becomes saturated and prevents pollution of the system with oxygen-containing gas. The transmitter of the device (Fig 1) is a porcelain tube filled with coppered silica gel. A porcelain rod is introduced into the tube round which a chrome nickel coil with resistivity of 500 Ohm is wound. The tube itself is in a steel casing. The working piece of the transmitter is heated by means of an electric

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furnace to 300 to 350°. The gas to be controlled flows through the porcelain tube by way of the "coppered" silica gel. If the gas contains oxygen, the latter oxidizes the copper, thus

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KARABASK, A.G

PHASE I BOOK EXPLOITATION

sov/4443

Akademiya nauk SSSR. Komissiya po analiticheskoy khimii

Metody opredeleniya primesey v chistykh metallakh (Methods of Determining Admixtures In Pure Metals) Moscow, 1960. 411 p. (Series: Its: Trudy, 12) 3,500 copies printed.

Resp. Eds.: A.P. Vinogradov, Academician, and D.I. Ryabchikov, Doctor of Chemical Sciences; Ed. of Publishing House: M.P. Volynets; Tech. Ed.: T.V. Polyakova.

PURPOSE: This collection of articles is intended for chemists, metallurgists, and engineers.

COVERAGE: The articles describe methods for detecting and determining various admixtures and their traces in pure metals. Also discussed are many chemical, physicochemical, electrochemical, spectrochemical and luminescence methods of analyzing materials of high purity. The editors state that these methods have been developed within the last five or six years by various Soviet scientific institutes, and are now widely used in research and factory laboratories of the Soviet Union. No personalities are mentioned. References, mostly Soviet, accompany each article.

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